

REMARKS

Applicant respectfully requests consideration of the subject application as amended herein. This Amendment is submitted in response to the Final Office Action mailed April 23, 2007. Claims 1-16 stand rejected. In this Amendment, claims 1, 5-7, 11-13, 15 and 16 have been amended. Claims 2-4, 8-10 and 14 have been canceled without prejudice. No new matter has been added.

35 U.S.C. § 102 Rejections

Claims 1-16 are rejected under 35 U.S.C. §102(e) as being anticipated by Sugar (U.S. Patent Application No. 2002/0061031, hereinafter "Sugar"). Claims 5, 11 and 15 are rejected under 35 U.S.C. §102(e) as being anticipated by Mansfield (U.S. Patent No. 6,704,346, hereinafter "Mansfield").

Applicant does not admit that Sugar and Mansfield are prior art and reserves the right to swear behind these references at a later date. Regardless, Applicant respectfully submits that the pending claims are patentable over the above reference.

Sugar discloses a method for interference mitigation among multiple WLAN protocols. Sugar uses a multiple protocol communication device (MPD) that functions as a Bluetooth master to exchange data with other slave terminals. The MPD has at least 5 packets in the queue to be transmitted to a slave terminal, allowing the MPD to use 5-slot packets to achieve the highest throughput efficiency. If less than 5 packets are available, the MPD transmits single or triple-slot packets.

Hence, the transmission process in Sugar starts with having packets of a specific type in the queue. Since these specific packets are already in the queue, their type does not need to be identified or selected. In contrast, the presently claimed invention first

identifies data packets available for transmission, where the available data packets are of different data packet types corresponding to different numbers of time-slots required for data packet transmission, then determines how many time-slots are available for the transmission, and upon determining the number of the available time slots, identifies a subset of the data packet types that fit into the available time-slots and meet a minimum transfer length requirement. If any of the identified data packet types are capable of transmitting an entire required data length, a selection for the transmission is made from the data packet types capable of transmitting the entire required data length to find a data packet type capable of transmitting the most data in the shortest time. If none of the identified data packets are capable of transmitting the required data length, a selection for the transmission is made from the identified data packet types to find a data packet type capable of transmitting the most data in the shortest time.

Sugar does not teach or suggest the above features of the present invention claimed in claims 1, 7 and 13. Accordingly, the present invention as claimed in claims 1, 5-7, 11-13, 15 and 16, and their corresponding dependent claims, is not anticipated by Sugar.

Mansfield is directed to a method and apparatus to provide improved microwave interference robustness in RF communications devices. As with Sugar, the specific packets are already in the queue in Mansfield. Mansfield describes that the packet header, contained in every BT packet, defines the packet type of this packet. Thus, in Mansfield, the packet type is identified and selected before data is identified for transmission, and before the number of available time slots is determined.

Accordingly, Mansfield lacks the same features of the presently claimed invention that are missing from Sugar. Accordingly, the present invention, as claimed in claims 1-16 is not anticipated by Mansfield for the same reasons as given above with respect to Sugar.

Applicant respectfully requests the withdrawal of the rejection under 35 U.S.C. § 102(e) and submits that the pending claims are in condition for allowance.


Deposit Account Authorization

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any charges that may be due. Furthermore, if an extension is required, then Applicant hereby requests such extension.

If the Examiner determines the prompt allowance of these claims could be facilitated by a telephone conference, the Examiner is invited to contact Marina Portnova at (408) 720-8300.

Respectfully submitted,
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